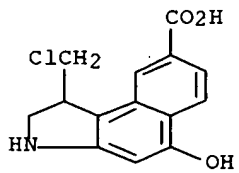
L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:696700 CAPLUS
DN 139:219341
TI DNA-binding amide-drug conjugates
IN Szekely, Zoltan; Hariprakasha, Humcha Krishnamurthy; Cholody, Marek W.; Michejda, Christopher J.
PA The Government of the United States of America, Represented by the Secretary Department of Health and Human Services, USA
SO PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003072058	A2	20030904	WO 2003-US6006	20030227

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2002-361050P P 20020227
US 2002-370168P P 20020405
OS MARPAT 139:219341
AB An amide conjugate comprising a DNA intercalator binds to the minor groove of DNA. A compn. comprising the conjugate and a carrier is useful for treating cancer in a mammal. Thus, 1-(chloromethyl)-5-hydroxy-1,2-dihydro-3H-benz[e]indole-8-carboxylic acid (CBIr), a rigid DNA alkylator, was prepd. and conjugated to an imidazole-contg. deriv.
IT **591248-06-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(DNA alkylator; DNA-binding polyamide drug conjugates)
RN 591248-06-5 CAPLUS
CN 1H-Benz[e]indole-8-carboxylic acid, 1-(chloromethyl)-2,3-dihydro-5-hydroxy- (9CI) (CA INDEX NAME)



IT **591248-27-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(DNA-binding polyamide drug conjugates)
RN 591248-27-0 CAPLUS
CN 3H-Benz[e]indole-3-carboxylic acid, 8-[(1H-benzotriazol-1-yloxy)carbonyl]-1-(chloromethyl)-1,2-dihydro-5-hydroxy-, 9H-fluoren-9-ylmethyl ester (9CI)
(CA INDEX NAME)

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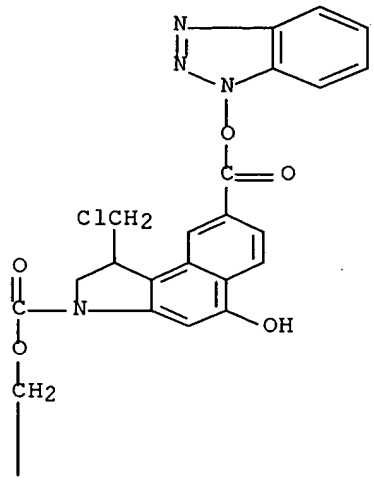

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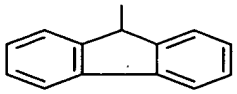
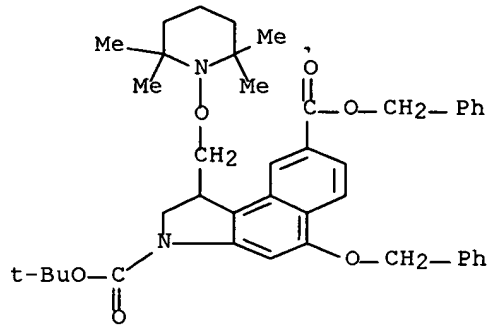
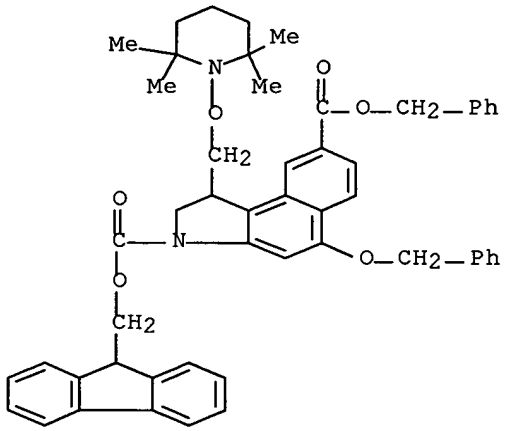


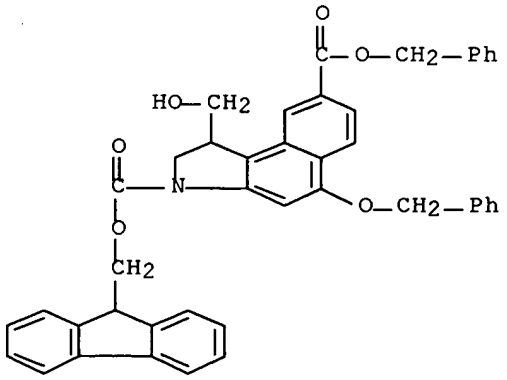
IT **591247-86-8P 591247-87-9P 591247-88-0P**
591247-89-1P 591247-90-4P 591247-91-5P
591247-92-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(in dihydrobenzindolecarboxylic acids prepn.; DNA-binding polyamide drug conjugates)
RN 591247-86-8 CAPLUS
CN 3H-Benz[e]indole-3,8-dicarboxylic acid, 1,2-dihydro-5-(phenylmethoxy)-1-[[(2,2,6,6-tetramethyl-1-piperidinyl)oxy]methyl]-, 3-(1,1-dimethylethyl) 8-(phenylmethyl) ester (9CI) (CA INDEX NAME)



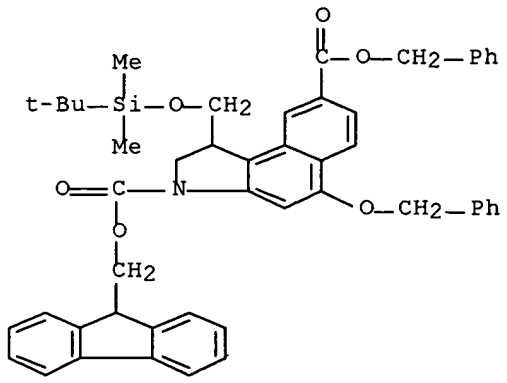
RN 591247-87-9 CAPLUS
CN 3H-Benz[e]indole-3,8-dicarboxylic acid, 1,2-dihydro-5-(phenylmethoxy)-1-[[(2,2,6,6-tetramethyl-1-piperidinyl)oxy]methyl]-, 3-(9H-fluoren-9-ylmethyl) 8-(phenylmethyl) ester (9CI) (CA INDEX NAME)



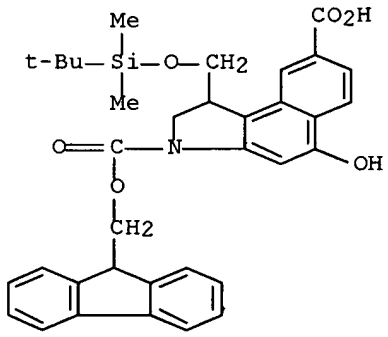
RN 591247-88-0 CAPLUS
CN 3H-Benz[e]indole-3,8-dicarboxylic acid, 1,2-dihydro-1-(hydroxymethyl)-5-(phenylmethoxy)-, 3-(9H-fluoren-9-ylmethyl) 8-(phenylmethyl) ester (9CI) (CA INDEX NAME)



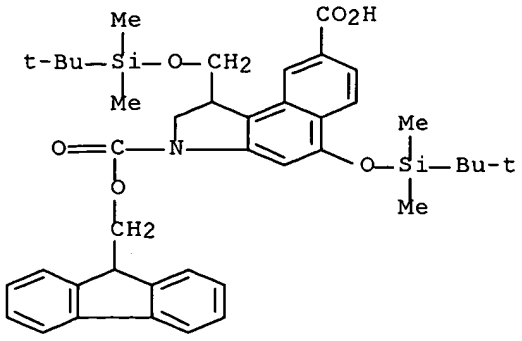
RN 591247-89-1 CAPLUS
CN 3H-Benz[e]indole-3,8-dicarboxylic acid, 1-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-1,2-dihydro-5-(phenylmethoxy)-, 3-(9H-fluoren-9-ylmethyl) 8-(phenylmethyl) ester (9CI) (CA INDEX NAME)



RN 591247-90-4 CAPLUS
CN 3H-Benz[e]indole-3,8-dicarboxylic acid, 1-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-1,2-dihydro-5-hydroxy-, 3-(9H-fluoren-9-ylmethyl) ester (9CI) (CA INDEX NAME)

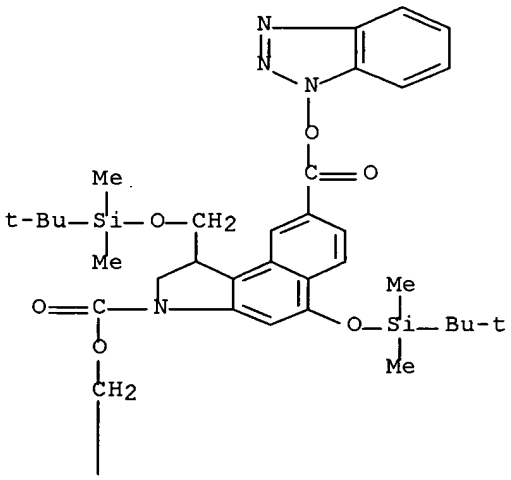


RN 591247-91-5 CAPLUS
CN 3H-Benz[e]indole-3,8-dicarboxylic acid, 5-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-1-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-1,2-dihydro-, 3-(9H-fluoren-9-ylmethyl) ester (9CI) (CA INDEX NAME)



RN 591247-92-6 CAPLUS
CN 3H-Benz[e]indole-3-carboxylic acid, 8-[(1H-benzotriazol-1-yloxy)carbonyl]-
5-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-1-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-1,2-dihydro-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



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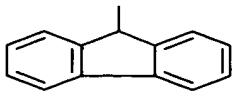
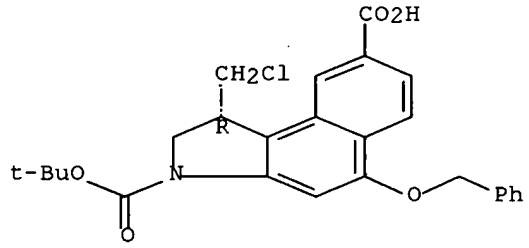


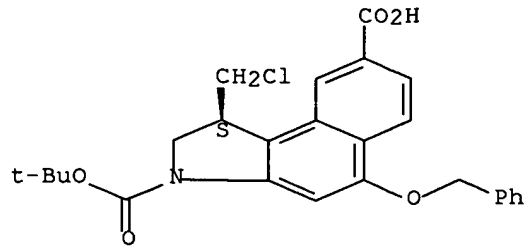
L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:627681 CAPLUS
DN 135:338739
TI Metal cation complexation and activation of reversed CPyI analogues of CC-1065 and duocarmycin SA: partitioning the effects of binding and catalysis
AU Ellis, David A.; Wolkenberg, Scott E.; Boger, Dale L.
CS Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SO Journal of the American Chemical Society (2001), 123(38), 9299-9306
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
AB The synthesis and examn. of a novel class of reversed CPyI analogs of CC-1065 and the duocarmycins are described. Capable of a unique metal cation activation of DNA alkylation, these agents allowed the effects of the DNA binding domain (104-fold increase in DNA alkylation rate and efficiency) to be partitioned into two components: that derived from enhanced DNA binding affinity and selectivity (10-80-fold) and that derived from a contribution to catalysis (250-5000-fold). In addn., the reversed enantiomeric selectivity of these sequence selective DNA alkylating agents provides further strong support for a previously disclosed model where it is the noncovalent binding selectivity of the compds., and not the alkylation subunit or the source of catalysis, that controls the DNA alkylation selectivity.
IT **371248-89-4**
RL: PRP (Properties)
(metal cation complexation and activation of reversed CPyI analogs of CC-1065 and duocarmycin SA)
RN 371248-89-4 CAPLUS
CN 3H-Benz[e]indole-3,8-dicarboxylic acid, 1-(chloromethyl)-1,2-dihydro-5-(phenylmethoxy)-, 3-(1,1-dimethylethyl) ester, (1R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



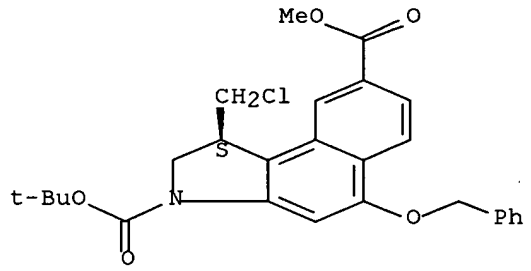
IT **371248-78-1P**
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(metal cation complexation and activation of reversed CPyI analogs of CC-1065 and duocarmycin SA)
RN 371248-78-1 CAPLUS
CN 3H-Benz[e]indole-3,8-dicarboxylic acid, 1-(chloromethyl)-1,2-dihydro-5-(phenylmethoxy)-, 3-(1,1-dimethylethyl) ester, (1S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



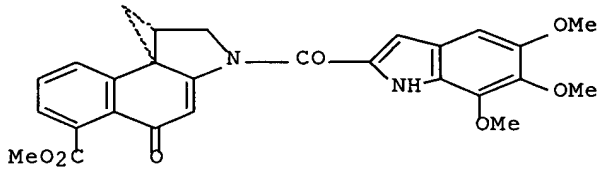
IT **371248-77-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(metal cation complexation and activation of reversed CPyI analogs of CC-1065 and duocarmycin SA)
RN 371248-77-0 CAPLUS
CN 3H-Benz[e]indole-3,8-dicarboxylic acid, 1-(chloromethyl)-1,2-dihydro-5-(phenylmethoxy)-, 3-(1,1-dimethylethyl) 8-methyl ester, (1S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:172344 CAPLUS
DN 134:340376
TI Synthesis, Chemical Properties, and Biological Evaluation of CC-1065 and Duocarmycin Analogues Incorporating the 5-Methoxycarbonyl-1,2,9,9a-tetrahydrocyclopropa[c]benz[e]indol-4-one Alkylation Subunit
AU Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P.
CS Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SO Journal of Organic Chemistry (2001), 66(7), 2207-2216
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 134:340376
GI



I

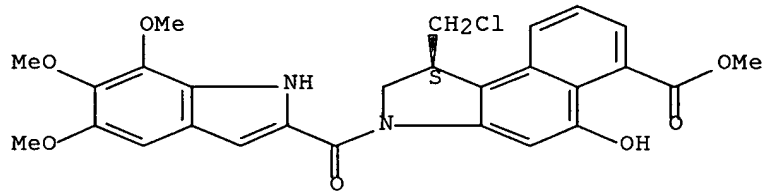
AB The synthesis of 5-methoxycarbonyl-1,2,9,9a-tetrahydrocyclopropa[c]benz[e] indol-4-one (C5-CO2Me-CBI), a substituted CBI deriv. bearing a C5 methoxycarbonyl group, and its corresponding 5-hydroxymethyl deriv. are described in efforts to establish substituent electronic effects on the agents' functional reactivity and the resulting effect this has on their rate of DNA alkylation. Resoln. of an immediate C5-CO2Me-CBI precursor and its incorporation into both enantiomers of analogs of the duocarmycins are also detailed. A study of the solvolysis reactivity and regioselectivity of N-BOC-C5-CO2Me-CBI (12) revealed that the introduction of a C5 Me ester modestly slowed the rate of solvolysis (1.8.times., pH 3) without altering the inherent reaction regioselectivity (>20:1). The comparison of the X-ray structures of the N-CO2Me derivs. of C5-CO2Me-CBI and CBI revealed correlations with the reaction regioselectivity and the relative reactivity of the compds. The latter correlated well with the less reactive C5-CO2Me-CBI exhibiting a shortened N2-C2a bond length (1.386 vs 1.390 .ANG.) and smaller .chi.1 dihedral angle (8.1.degree. vs 21.2.degree.) indicative of greater vinylogous amide conjugation and was accompanied by a diminished (cross-conjugated) cyclopropane conjugation (shorter bond lengths). Establishment of the DNA alkyation properties revealed that C5-CO2Me-CBI-based agents retained the identical alkylation selectivity of the natural products. More importantly, the C5 Me ester was found to decrease the rate (0.77.times.) of DNA alkylation relative to CBI, consistent with its inherent lower reactivity. These results indicate that the previously obsd. increase in the rate of DNA alkylation for C7-substituted CBI analogs including CCBI (7-cyano-CBI) is contrary

to
expectations based on their inherent reactivities. Unlike (I), in which the C5 Me ester does not bind in the minor groove, the C7 substituent lies
in the minor groove extending the rigid length of the agents, further enhancing the DNA binding-induced conformational change responsible for activation toward nucleophilic attack and catalysis of the DNA alkylation
reaction.

IT **337465-84-6P 337465-94-8P**
RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or
effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(synthesis, chem. properties, and biol. evaluation of CC-1065 and duocarmycin analogs incorporating the 5-methoxycarbonyl-1,2,9,9a-tetrahydrocyclopropa[c]benz[e]indol-4-one alkylation subunit)

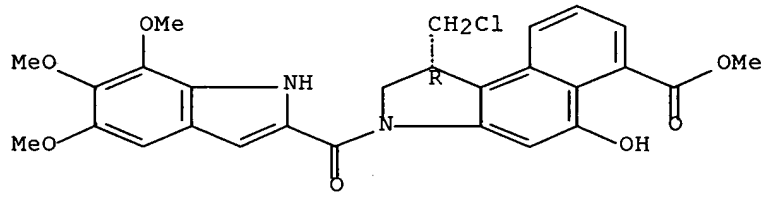
RN 337465-84-6 CAPLUS
CN 1H-Benz[e]indole-6-carboxylic acid, 1-(chloromethyl)-2,3-dihydro-5-hydroxy-
3-[(5,6,7-trimethoxy-1H-indol-2-yl)carbonyl]-, methyl ester, (1S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 337465-94-8 CAPLUS
CN 1H-Benz[e]indole-6-carboxylic acid, 1-(chloromethyl)-2,3-dihydro-5-hydroxy-
3-[(5,6,7-trimethoxy-1H-indol-2-yl)carbonyl]-, methyl ester, (1R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



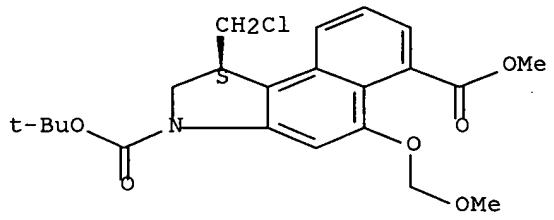
IT **337465-81-3P 337465-91-5P**
RL: PEP (Physical, engineering or chemical process); PUR (Purification or
recovery); RCT (Reactant); SPN (Synthetic preparation); PREP

(Preparation); PROC (Process); RACT (Reactant or reagent)
(synthesis, chem. properties, and biol. evaluation of CC-1065 and duocarmycin analogs incorporating the 5-methoxycarbonyl-1,2,9,9a-tetrahydrocyclopropa[c]benz[e]indol-4-one alkylation subunit)

RN 337465-81-3 CAPLUS

CN 3H-Benz[e]indole-3,6-dicarboxylic acid, 1-(chloromethyl)-1,2-dihydro-5-(methoxymethoxy)-, 3-(1,1-dimethylethyl) 6-methyl ester, (1S)- (9CI) (CA INDEX NAME)

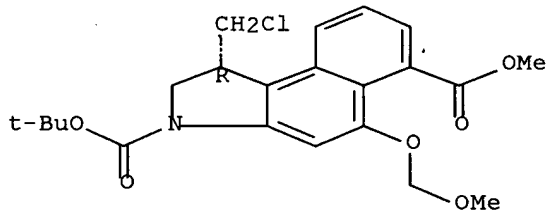
Absolute stereochemistry. Rotation (-).



RN 337465-91-5 CAPLUS

CN 3H-Benz[e]indole-3,6-dicarboxylic acid, 1-(chloromethyl)-1,2-dihydro-5-(methoxymethoxy)-, 3-(1,1-dimethylethyl) 6-methyl ester, (1R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



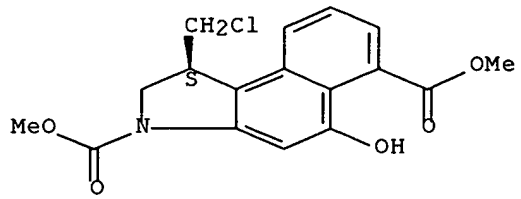
IT **337465-87-9P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis, chem. properties, and biol. evaluation of CC-1065 and duocarmycin analogs incorporating the 5-methoxycarbonyl-1,2,9,9a-tetrahydrocyclopropa[c]benz[e]indol-4-one alkylation subunit)

RN 337465-87-9 CAPLUS

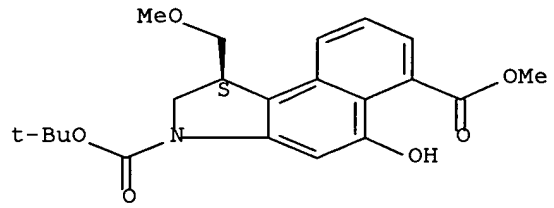
CN 3H-Benz[e]indole-3,6-dicarboxylic acid, 1-(chloromethyl)-1,2-dihydro-5-hydroxy-, dimethyl ester, (1S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



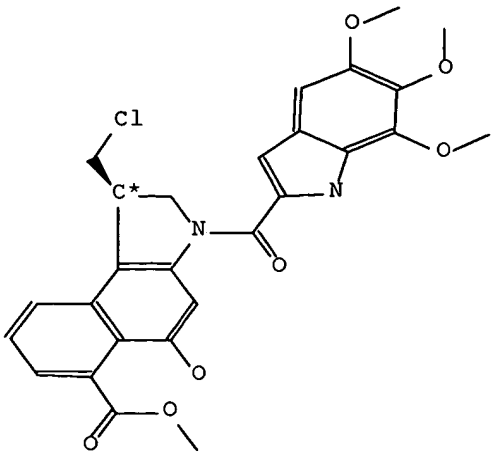
IT **337465-86-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis, chem. properties, and biol. evaluation of CC-1065 and duocarmycin analogs incorporating the 5-methoxycarbonyl-1,2,9,9a-tetrahydrocyclopropa[c]benz[e]indol-4-one alkylation subunit)
RN 337465-86-8 CAPLUS
CN 3H-Benz[e]indole-3,6-dicarboxylic acid, 1,2-dihydro-5-hydroxy-1-(methoxymethyl)-, 3-(1,1-dimethylethyl) 6-methyl ester, (1S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



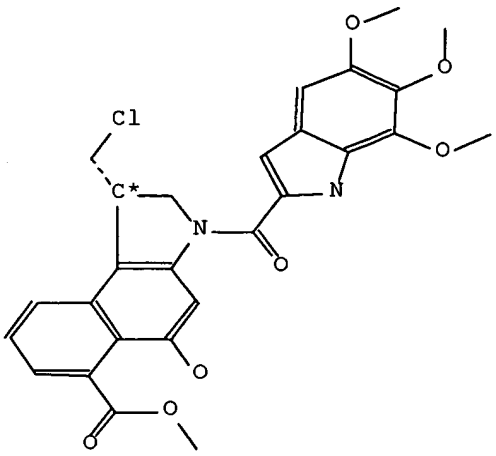
RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 1 OF 10 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN



1. Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P., J.Org.Chem., CODEN: JOCEAH, 66(7), <2001>, 2207 - 2216; BABS-6278585

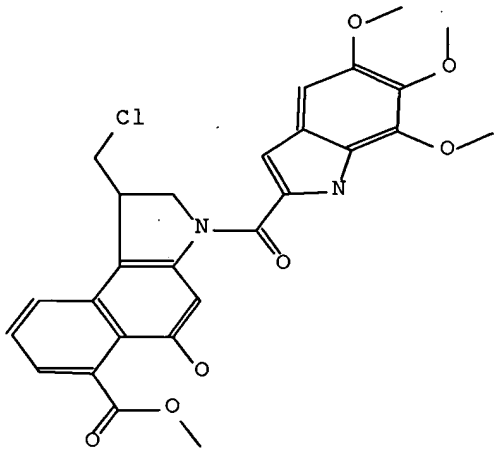
L7 ANSWER 2 OF 10 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN



Reference(s):
1. Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P., J.Org.Chem., CODEN: JOCEAH, 66(7), <2001>, 2207 - 2216; BABS-6278585

L7 ANSWER 3 OF 10 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN

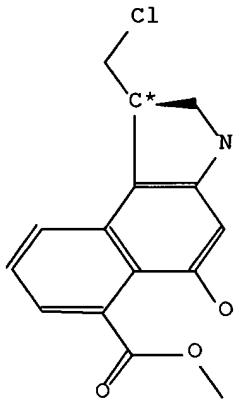
Beilstein Records (BRN):	8811703
Chemical Name (CN):	3-(5,6,7-trimethoxyindol-2-carbonyl)-1-(chloromethyl)-5-hydroxy-6-methoxycarbonyl-1,2-dihydro-3H-benz<e>indole
Autonom Name (AUN):	1-chloromethyl-5-hydroxy-3-(5,6,7-trimethoxy-1H-indole-2-carbonyl)-2,3-dihydro-1H-benzo<e>indole-6-carboxylic acid methyl ester
Molec. Formula (MF):	C27 H25 Cl N2 O7
Molecular Weight (MW):	524.96
Lawson Number (LN):	26860, 26736, 289
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7459350
Tautomer ID (TAUTID):	8293792
Entry Date (DED):	2001/07/25
Update Date (DUPD):	2001/07/25



Reference(s):

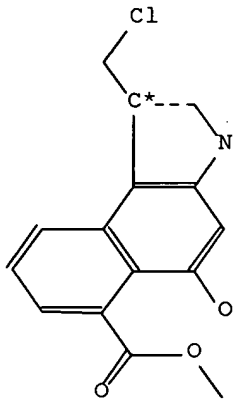
1. Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P., J.Org.Chem., CODEN: JOCEAH, 66(7), <2001>, 2207 - 2216; BABS-6278585

L7 ANSWER 4 OF 10 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN



Reference(s):
1. Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P., J.Org.Chem., CODEN: JOCEAH, 66(7), <2001>, 2207 - 2216; BABS-6278585

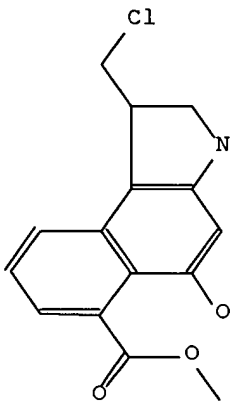
L7 ANSWER 5 OF 10 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN



Reference(s):

1. Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P., J.Org.Chem., CODEN: JOCEAH, 66(7), <2001>, 2207 - 2216; BABS-6278585

L7 ANSWER 6 OF 10 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN



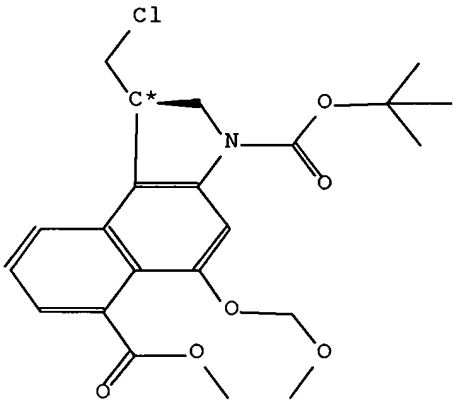
CM 2

FBRN 1098214
FMF Cl H

Reference(s):
1. Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P., J.Org.Chem., CODEN: JOCEAH, 66(7), <2001>, 2207 - 2216; BABS-6278585

L7 ANSWER 7 OF 10 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN

Beilstein Records (BRN):	8800356
Chemical Name (CN):	(+)-(1R)-3-(tert-butyloxycarbonyl)-1-chloromethyl-6-methoxycarbonyl-5-(methoxymethoxy)-1,2-dihydro-3H-benz<e>indole
Autonom Name (AUN):	1-chloromethyl-5-methoxymethoxy-1,2-dihydro-benzo<e>indole-3,6-dicarboxylic acid 3-tert-butyl ester 6-methyl ester
Molec. Formula (MF):	C22 H26 Cl N O6
Molecular Weight (MW):	435.90
Lawson Number (LN):	26736, 1762, 689, 318, 289
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7448796
Tautomer ID (TAUTID):	8273532
Entry Date (DED):	2001/07/25
Update Date (DUPD):	2001/07/25

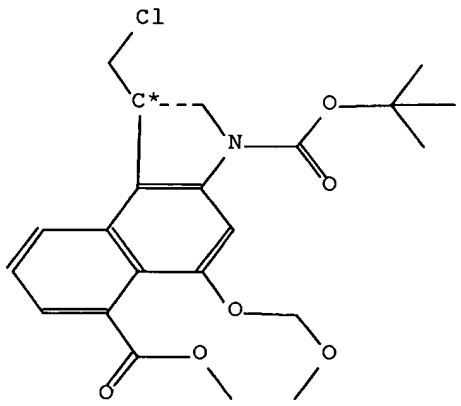


Reference(s):

1. Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P., J.Org.Chem., CODEN: JOCEAH, 66(7), <2001>, 2207 - 2216; BABS-6278585

L7 ANSWER 8 OF 10 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN

Beilstein Records (BRN):	8800355
Chemical Name (CN):	(-)-(1S)-3-(tert-butyloxycarbonyl)-1-chloromethyl-6-methoxycarbonyl-5-(methoxymethoxy)-1,2-dihydro-3H-benz<e>indole
Autonom Name (AUN):	1-chloromethyl-5-methoxymethoxy-1,2-dihydro-benzo<e>indole-3,6-dicarboxylic acid 3-tert-butyl ester 6-methyl ester
Molec. Formula (MF):	C22 H26 Cl N O6
Molecular Weight (MW):	435.90
Lawson Number (LN):	26736, 1762, 689, 318, 289
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7448796
Tautomer ID (TAUTID):	8273532
Entry Date (DED):	2001/07/25
Update Date (DUPD):	2001/07/25

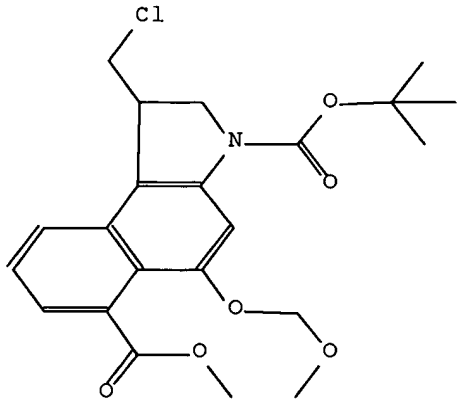


Reference(s):

1. Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P., J.Org.Chem., CODEN: JOCEAH, 66(7), <2001>, 2207 - 2216; BABS-6278585

L7 ANSWER 9 OF 10 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN

Beilstein Records (BRN):	8798815
Chemical Name (CN):	3-(tert-butyloxycarbonyl)-1-(chloromethyl)-6-methoxycarbonyl-5-(methoxymethoxy)-1,2-dihydro-3H-benz<e>indole
Autonom Name (AUN):	1-chloromethyl-5-methoxymethoxy-1,2-dihydro-benzo<e>indole-3,6-dicarboxylic acid 3-tert-butyl ester 6-methyl ester
Molec. Formula (MF):	C22 H26 Cl N O6
Molecular Weight (MW):	435.90
Lawson Number (LN):	26736, 1762, 689, 318, 289
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7448796
Tautomer ID (TAUTID):	8273532
Entry Date (DED):	2001/07/25
Update Date (DUPD):	2001/07/25

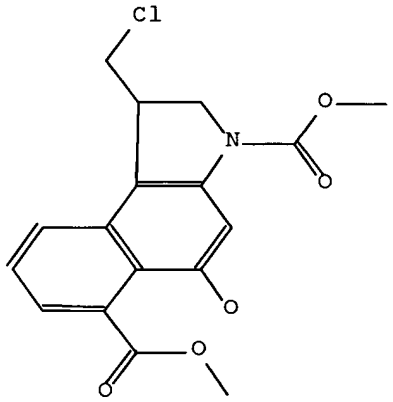


Reference(s):

1. Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P., J.Org.Chem., CODEN: JOCEAH, 66(7), <2001>, 2207 - 2216; BABS-6278585

L7 ANSWER 10 OF 10 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN

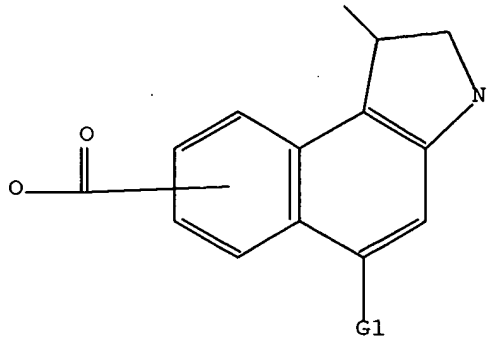
Beilstein Records (BRN):	8792003
Chemical Name (CN):	1-(chloromethyl)-5-hydroxy-3-methoxycarbonyl-6-methoxycarbonyl-1,2-dihydro-3H-benz<e>indole
Autonom Name (AUN):	1-chloromethyl-5-hydroxy-1,2-dihydro-benzo<e>indole-3,6-dicarboxylic acid dimethyl ester
Molec. Formula (MF):	C17 H16 Cl N O5
Molecular Weight (MW):	349.77
Lawson Number (LN):	26736, 1762, 289
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7442995
Tautomer ID (TAUTID):	8280273
Entry Date (DED):	2001/07/25
Update Date (DUPD):	2001/07/25



Reference(s):

1. Boger, Dale L.; Hughes, Terry V.; Hedrick, Michael P., J.Org.Chem., CODEN: JOCEAH, 66(7), <2001>, 2207 - 2216; BABS-6278585

=> d l1; d his; log y
L1 HAS NO ANSWERS
L1 STR



G1 O,S,N
G2 C,N

Structure attributes must be viewed using STN Express query preparation.

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FILE 'REGISTRY' ENTERED AT 18:12:33 ON 13 OCT 2003
L1 STRUCTURE UPLOADED
L2 2 S L1
L3 18 S L1 FUL

FILE 'CAPLUS' ENTERED AT 18:12:54 ON 13 OCT 2003
L4 3 S L3

FILE 'BEILSTEIN' ENTERED AT 18:13:25 ON 13 OCT 2003
L5 0 S L1
L6 10 S L1 FUL
L7 10 S L6 NOT L4

FILE 'MARPAT' ENTERED AT 18:14:24 ON 13 OCT 2003
L8 0 S L1
L9 30 S L1 FUL

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	105.75	511.35

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.95

STN INTERNATIONAL LOGOFF AT 18:16:40 ON 13 OCT 2003